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PATENT
S-0796-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JAMES L. MCNAUGHTON

SERIAL NO.: 10/540,378

FILED: JUNE 23, 2005

COMPOSITIONS AND METHODS FOR
CONTROL IN BOVINE MASTITIS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Enclosed herewith for consideration by the Examiner is a First Supplemental Information Disclosure Form PTO/SB/08A and PTO/SB/08b. There are 139 U.S. patent references listed but not enclosed and 28 foreign patent documents and 102 literature references listed and enclosed.

Respectfully Submitted,

John F. Sieberth
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4703 Bluebonnet Blvd.
Baton Rouge, LA 70809

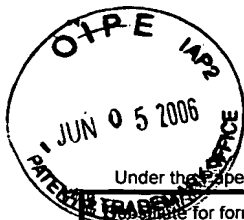
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PTO/SB/08A (07-05)

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Use for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/540,378
Filing Date	June 23, 2005
First Named Inventor	James L. McNaughton
Group Art Unit	1614
Examiner Name	---
Attorney Docket Number	S-0796-US

Sheet	1	of	13
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	US-145	US-2184888	12-26-1939	Muskat et al.	
	US-146	US-2580808	01-01-1952	Marks et al.	
	US-147	US-2913460	11-17-1959	Brown et al.	
	US-148	US-2929816	03-22-1960	Chamberlain	
	US-149	US-3147254	09-01-1964	Paterson	
	US-150	US-3222276	12-07-1965	Belohlav et al.	
	US-151	US-4770198	09-13-1988	Bergman	
	US-152	US-5173190	12-22-1992	Picek	
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	US-155	US-5194238	03-16-1993	Duncan et al.	
	US-156	US-5196126	03-23-1993	O'Dowd	
	US-157	US-5202047	04-13-1993	Corby	
	US-158	US-5208057	05-04-1993	Greenley et al.	
	US-159	US-5209934	05-11-1993	Egis, et al.	
	US-160	US-5218983	06-15-1993	King	
	US-161	US-5259985	11-09-1993	Nakanishi et al.	
	US-162	US-5264136	11-23-1993	Howarth et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
	FP-30	CN- 1432279	07-30-2003	China Nat. Petroleum Corp.	Abstract Only	
	FP-31	EP- 1080641 A2	03-07-2001	Nalco Chemical Co.		
	FP-32	GB- 644	09-22-1910	Peter		
	FP-33	GB- 1358617	07-03-1974	Alsce Mines Potasse		
	FP-34	RU- 277157	07-22-1970	Scientific Research		
	FP-35	WO- 93/04987 A1	03-18-1993	Monsanto Co.		

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			Filing Date	June 23, 2005	
			First Named Inventor	James L. McNaughton	
			Group Art Unit	1614	
			Examiner Name	---	
Sheet	2	of	13	Attorney Docket Number	S-0796-US

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		Number-Kind Code ² (if known)			
	US-163	US-5264229	11-23-1993	Mannig et al.	
	US-164	US-5283073	02-01-1994	Bender et al.	
	US-165	US-5286479	02-15-1994	Garlich et al.	
	US-166	US-5320829	06-14-1994	Garlich et al.	
	US-167	US-5338461	08-16-1994	Jones	
	US-168	US-5339889	08-23-1994	Bigham	
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	US-173	US-5407598	04-18-1995	Olson et al.	
	US-174	US-5409711	04-25-1995	Mapelli et al.	
	US-175	US-5414652	05-09-1995	Mieda et al.	
	US-176	US-5422126	06-06-1995	Howarth et al.	
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	US-178	US-5429723	07-04-1995	Atkinson	

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	FP-36	WO- 96/14092 A1	05-17-1996	W.R. Grace & Co.		
	FP-37	WO-96 30562 A1	10-03-1996	Electrocatalytic, Inc.		
	FP-38	WO- 9733567 A1	09-18-1997	Tri Link Unlimited Ltd.		
	FP-39	WO- 9743215 A1	11-20-1997	Bio Lab, Inc.		
	FP-40	WO- 97/43392	11-20-1997	Henry et al.		
	FP-41	WO- 98/04143	02-05-1998	Strickland et al.		
	FP-42	WO- 98/15609	04-16-1998	Sirianni		
	FP-43	WO- 99/06320 A1	02-11-1999	Dallmier et al.		

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			First Named Inventor	James L. McNaughton	
			Group Art Unit	1614	
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		Number-Kind Code ² (if known)			
	US-179	US-5443849	08-22-1995	Corby	
	US-180	US-5460833	10-24-1995	Andrews et al.	
	US-181	US-5464636	11-07-1995	Hight et al.	
	US-182	US-5476116	12-19-1995	Price et al.	
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	US-189	US-5527547	06-18-1996	Hight et al.	
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	US-191	US-5565576	10-15-1996	Hall et al.	
	US-192	US-5578559	11-26-1996	Dolan et al.	
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	US-196	US-5607619	03-04-1997	Dadgar et al.	
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	US-198	US-5614528	03-25-1997	Jones et al.	

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		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
	FP-44	WO- 99/32596 A1	07-01-1999	Rees et al.		
	FP-45	WO- 99/55627 A1	11-04-1999	Yang et al.		
	FP-46	WO- 00/34186 A1	06-15-2000	Rakestraw		
	FP-47	WO- 01/35745 A1	05-25-2001	Albemarle Corporation		

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Sheet	4	of	13
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		Number-Kind Code ² (if known)			
	US-199	US-5622708	04-22-1997	Richter et al.	
	US-200	US-5641520	06-24-1997	Howarth et al.	
	US-201	US-5641530	06-24-1997	Chen	
	US-202	US-5662940	09-02-1997	Hight et al.	
	US-203	US-5670451	09-23-1997	Jones et al.	
	US-204	US-5670646	09-23-1997	Worley et al.	
	US-205	US-5679239	10-21-1997	Blum et al.	
	US-206	US-5683654	11-04-1997	Dallmire et al.	
	US-207	US-5688515	11-18-1997	Kuechler, et al.	
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	US-210	US-5756440	05-26-1998	Watanabe et al.	
	US-211	US-5763376	06-09-1998	Ward et al.	
	US-212	US-5780641	07-14-1998	Yerushalmi et al.	
	US-213	US-5795487	08-18-1998	Dallmire et al.	
	US-214	US-5808089	09-15-1998	Worley et al.	
	US-215	US-5821546	10-13-1998	Xiao et al.	
	US-216	US-5830511	11-03-1998	Mullerat et al.	
	US-217	US-5859060	01-12-1999	Platt	
	US-218	US-5889130	03-30-1999	Worley et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	FP-48	WO- 01/52651 A1	07-26-2001	Albemarle Corporation		
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	FP-50	WO- 01/52827 A1	07-26-2001	McKenzie et al.		
	FP-51	WO- 01/53209 A2	07-26-2001	Albemarle Corporation		

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	US-219	US-5891499	04-06-1999	Balsano	
	US-220	US-5900512	05-04-1999	Elnagar et al.	
	US-221	US-5902818	05-11-1999	Worley et al.	
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	US-223	US-5922745	07-13-1999	McCarthy et al.	
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	US-229	US-5981461	11-09-1999	Counts et al.	
	US-230	US-5984994	11-16-1999	Hudson	
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	US-235	US-6037318	03-14-2000	Na et al.	
	US-236	US-6039992	03-21-2000	Compadre et al.	
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	FP-52	WO- 01/53215 A1	07-26-2001	Albemarle Corporation		
	FP-53	WO- 01/53270 A2	07-26-2001	Albemarle Corporation		
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	FP-56	WO 03/011033 A1	02-13-2003	Solution Biosciences, Inc.		
	FP-57	WO 04/57966 A1	07-15-2004	Solution Biosciences Inc.		

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	US-239	US-6110353	08-29-2000	Hough	
	US-240	US-6110387	08-29-2000	Choudhury et al.	
	US-241	US-6123870	09-26-2000	Yang et al.	
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			Application Number	10/540,378	
			Filing Date	June 23, 2005	
			First Named Inventor	James L. McNaughton	
			Group Art Unit	1614	
			Examiner Name	---	
Sheet	7	of	13	Attorney Docket Number	S-0796-US

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Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/540,378
Filing Date	June 23, 2005
First Named Inventor	James L. McNaughton
Art Unit	1614
Examiner Name	---
Attorney Docket Number	S-0796-US

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NON PATENT LITERATURE DOCUMENTS

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		Filing Date	June 23, 2005
		First Named Inventor	James L. McNaughton
		Art Unit	1614
		Examiner Name	---
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NON PATENT LITERATURE DOCUMENTS			
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Sheet	11	of	13
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	L-154	Sani-King Perform-Max Pool Sanitizer Instruction Guide, Models 910, 940, & 980 (Inline) and Models 930 & 960 (Off-line), date unknown, 16 pages.	
	L-155	Sani-King Adjust-A-Flo Product Brochure from King Technology Website < http://www.kingtechnology.com/spafeeder.htm > (Visited August 10, 2001), 2000, 1 page.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/540,378
		Filing Date	June 23, 2005
		First Named Inventor	James L. McNaughton
		Art Unit	1614
		Examiner Name	---
Sheet 12 of 13	Attorney Docket Number	S-0796-US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	L-156	Sani-King Perform-Max Sanitizers for Inground Pools Product Brochure for Model 940 & 960 from King Technology Website, < http://www.kingtechnology.com/perfermaxIG.htm > , visited August 10, 2001, 2000, 1 pg.	
	L-157	Sani-King Perform-Max Sanitizers for Above Ground Pools Product Brochure Model 910 & 930 from King Technology Website, < http://www.kingtechnology.com/perfermaxIG.htm > , visited August 10, 2001, 2000, 1 pg.	
	L-158	Shilov, E.A. and J.N. Gladchikova, "On the Calculation of the Dissociation Constants of Hypohalogenous Acids from Kinetic Data," Journal of the American Chemical Society (1938) 60: 490-491.	
	L-159	Smith, A., et al., "Bromine vs. Gaseous Chlorine: A Comprehensive Review of Case Histories," paper 637 (Corrosion 93, NACE Annual Conference and Corrosion Show, 1993), ppg 637/1 - 637/12.	
	L-160	Smith et al., "Potential Uses of Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol. 69, ppg 1590-1594.	
	L-161	Sook, B.R., T.F. Ling, and A.D. Harrison "A New Thixotropic Form of Bromochlorodimethylhydantoin: A Case Study," paper 03715 (Corrosion 2003, Houston, TX: NACE International, 2003), ppg 1-16.	
	L-152	Sorum -- Fundamentals of General Chemistry, p. 315, 1955.	
	L-163	Spurrell, C. and J.S. Clavin, "Solid Halogen Donor Economically Answers the Challenge of SARA Title III and Corrosion Concerns," paper 474 (Corrosion 93, NACE Annual Conference and Corrosion Show, 1993), ppg 474/1 - 474/15.	
	L-164	Sullivan, P.J. and B.J. Hepburn, "The Evolution of Phosphonate Technology for Corrosion Inhibition," paper 496 (Houston, TX: NACE International, 1995), ppg 496/1 - 496/13.	
	L-165	Sweeney, P., M. Ludensky, and O. Barokhov, "Mill Performance of a Brominated Methylethylhydantoin Slimicide," pp 437-447, Proceedings of the 1999 TAPPI Papermakers Conference (Norcross, GA: TAPPI, 1999).	
	L-166	Tamblyn, K.C., et al., "Utilization of the Skin Attachment Model to Determine the Antibacterial Efficacy of Potential Carcass Treatments", Poultry Science, 1997, vol 76, ppg 1318-1323.	
	L-167	Tanner, F.W. and G. Pitner, "Germicidal Action of Bromine," Proceedings of the Society for Experimental Biology and Medicine (1939) 40: 143-145.	
	L-168	TEKTRAN, United States Department of Agriculture, Agricultural Research Service, Updated 12-18-1998, "An Evaluation of On-Line "Reprocessing" on Visual Contamination and Microbiological Quality of Broilers", from website http://www.nal.usda.gov/ttic/tektran/data/000008/35/0000083511.html , website visited 1/31/2003, 1 page	
	L-169	The University of Georgia Cooperative Extension Service, Poultry Tips, from website http://www.uga.edu/~poultry/tips/tips98jan4.htm , website visited 1/31/2003, 3 pages.	
	L-170	Thomas, W.M., J. Eccles, and C. Fricker, "Laboratory Observations of Biocide Efficiency against Legionella in Model Cooling Tower Systems," paper SE-99-3-4 (Atlanta, GA: ASHRAE Transactions, 1999), ppg 1-17.	
	L-171	Tsukamoto, S. et al., "Ceratinamides A and B: New Antifouling Dibromotyrosine Derivatives from the Marine Sponge <i>Pseudoceratina purpurea</i> ," Tetrahedron (1996) 52: 8181-8186.	
	L-161	Tsai, Lee-Shin, et al., "Chlorination of Poultry Chiller Water: Chlorine Demand and Disinfection Efficiency", Poultry Science, 1992, vol 71, ppg 188-196	
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	L-173	Vanderpool, D., M. Killoran, and R. Sargent, "Improving the Corrosion Inhibitor Efficiency of Tolyltriazole in the Presence of Chlorine and Bromine," paper 157 (Corrosion 87, San Francisco, CA, 1987), ppg 157/1-157/9.	
	L-174	Visser, Margret C.M., et al., "Comparison of human red cell lysis by hypochlorous and hypobromous acids: Insights into the mechanism of lysis", Biochem. J., vol 330, 1998, ppg 131-138.	
	L-175	Visser, Margret C.M., et al., "Fatty acid chlorohydrins and bromohydrins are cytotoxic to human endothelial cells", Redox Report, vol 6, no. 1, 2001, ppg 49-55.	
	L-176	Wabeck, Charles J., "Methods to Reduce Microorganisms on Poultry", Broiler Industry, December 1994, ppg 34, 36, 38, 40, 42.	
	L-177	Wackenhuth, E.C. and G. Levine, "An Investigation of Bromine Chloride as a Biocide in Condenser Water," (Pittsburgh, PA: Engineer's Society of Western Pennsylvania, 1974), pgs 1-14..	
	L-178	Weeks, M.E., "Discovery of the Elements: XVII. The Halogen Family," Journal of Chemical Education (1932) 9: 1915-1938.	
	L-179	Willard et al., "Elementary Quantitative Analysis", Third Edition, Chapter XIV, 1933, ppg. 261-271.	
	L-180	Williams, et al., "Research Note: Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol 69, ppg 2248-2251.	
	L-181	Wood, D.R. and E.T. Illing, Analyst (1930), Royal Society of Chemistry, The Analyst, 55: 126-127.	
	L-182	Worley, et al., "The Stabilities of New N-halamine Water Disinfectants", Wat. Res. Vol. 21(8), ppg 983-988, 1987.	
	L-183	Wyss. O. and R.J. Stockton, "The Germicidal Action of Bromine," Arch. Biochem. (1947) 12:267-271.	
	L-184	Yang, Hong, et al., "Survival and Death of Salmonella Typhimurium and Campylobacter jejuni in Processing Water and on Chicken Skin during Poultry Scalding and Chilling", Journal of Food Protection, vol 64, no 6, 2001, ppg 770-776.	
	L-185	Yaron, F., "Bromine Manufacture: Technology and Economic Aspects," in "Bromine and Its Compounds," Z.E. Jolles, ed., pp 3-12 (New York, NY: Academic Press, 1966).	
	L-186	Yu, F.P., et al., "Cooling Tower Fill Fouling Control in a Geothermal Power Plant," paper 529 (Corrosion 98, Houston, TX: NACE International, 1998), pg 529/1 - 529-11.	
	L-187	Yu, F.P., et al., "Innovations in Fill Fouling Control," IWC-00-03 (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 2000), ppg 26-31.	
	L-188	Zhang, Z. and J.V. Matson, "Organic Halogen Stabilizers: Mechanisms and Disinfection Efficiencies," paper TP89-05 (Houston, TX: Cooling Tower Institute, 1989), pgs 1-19.	
	L-189	Zhang, Z. "Disinfection Efficiency and Mechanisms of 1-Bromo-3-Chloro-5,5-Dimethylhydantoin," Doctoral Dissertation, University of Houston, May 1988, ppg 160, 162, 163.	

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